

ID AAZ29722 standard; DNA; 2060 BP.

XX AAZ29722;

XX 27-MAR-2000 (first entry)

XX Human lung specific gene Lng105.

XX Lung Specific Gene; LSG; Lng105; human; diagnostic marker; prognosticate;

XX lung cancer; diagnosis; ds.

XX Homo sapiens.

XX Key

XX Location/Qualifiers

XX 711..1973

XX /tag= a

XX /product= "LSG Lng105 protein"

XX MO9960160-A1.

XX 25-NOV-1999.

XX 12-MAY-1999; 99WO-US010344.

XX 21-MAY-1998; 98US-0086212P.

XX (DIAD-) DIADEXUS LLC.

XX Yang F, Macina RA, Sun Y;

XX WPI; 2000-116320/10.

XX P-PSDB; AAY44457.

XX A new method for diagnosing, monitoring and staging lung cancer.

XX Claim 6; Page 34-35; 40pp; English.

XX The present sequence is a lung specific gene (LSG) Lng105 from human

XX clone ID 3107312. The LSG has high level of tissue specificity for lungs

XX and is overexpressed in cancerous tissues. The sequence serves as a

XX diagnostic marker for detecting, monitoring, staging and prognosticating

XX lung cancer. The diagnosis involves comparing levels of LSG in samples

XX obtained from patient and normal control

XX Sequence 2060 BP; 458 A; 573 C; 537 G; 492 T; 0 U; 0 Other;

XX Query Match 37.2%; Score 678.4; DB 3; Length 2060;

XX Best Local Similarity 97.8%; Pred. No. 6.4e-197;

XX Matches 704; Conservative 0; Mismatches 1; Indels 15; Gaps 1;

QY 518 CTTGAGAGCTCTCAAAATCTTGGTCATGGATGAGCGCCGCGGATCTGATATGGATT 577

Db 1 CTTGAGAGCTCTCAAAATCTTGGTCATGGATGAGCGCCGCGGATCTGATATGGATT 60

QY 578 TGAGACAGAGGTGACAGATCCTCAAAGTGATTCCTCGAGATCGGAAACATTCCTCTT 637

Db 61 TGAGACAGAGGTGACAGATCCTCAAAGTGATTCCTCGAGATCGGAAACATTCCTCTT 105

QY 638 CTCTGCCACCATGACAGAGAGGTTCAAAATCTTCAAGGATCTGAGAGATCCTGT 697

Db 646 GAACTACACAGGTTTCCACACACAGGATGATGAGGTTATGATCTGACAGAACCGGTCCC 705

Sequence Match List  
for SEQ ID NO:12

RESULT 1  
 US-09-008-271A-16  
 : Sequence 16, Application US/09008271A  
 : Patent No. 6203979  
 : GENERAL INFORMATION:  
 : APPLICANT: Bandman, Olga  
 : Hillman, Jennifer L.  
 : Yue, Henry  
 : Guegler, Karl J.  
 : Corley, Neil C.  
 : Tang, Tom Y.  
 : Shah, Purvi  
 : TITLE OF INVENTION: HUMAN PROTEASE MOLECULES  
 : NUMBER OF SEQUENCES: 24  
 : CORRESPONDENCE ADDRESSES:  
 : ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 : STREET: 3174 Porter Dr.  
 : CITY: Palo Alto  
 : STATE: CA  
 : COUNTRY: USA  
 : ZIP: 94304  
 : COMPUTER READABLE FORM:  
 : MEDIUM TYPE: Diskette  
 : COMPUTER: IBM Compatible  
 : OPERATING SYSTEM: DOS  
 : SOFTWARE: FastSeq for Windows Version 2.0  
 : CURRENT APPLICATION DATA:  
 : APPLICATION NUMBER: US/09/008,271A  
 : FILING DATE: 16-Jan-1998  
 : PRIOR APPLICATION DATA:  
 : APPLICATION NUMBER: <Unknown>  
 : FILING DATE: <Unknown>  
 : ATTORNEY/AGENT INFORMATION:  
 : NAME: Mohan-Peterson, Sheela  
 : REGISTRATION NUMBER: 41,201  
 : REFERENCE/DOCKET NUMBER: PP-0458 US  
 : TELECOMMUNICATION INFORMATION:  
 : TELEPHONE: 650-855-0555  
 : TELEFAX: 650-845-4166  
 : INFORMATION FOR SEQ ID NO: 16:  
 : SEQUENCE CHARACTERISTICS:  
 : LENGTH: 2061 base pairs  
 : TYPE: nucleic acid  
 : STRANDEDNESS: single  
 : TOPOLOGY: linear  
 : IMMEDIATE SOURCE:  
 : LIBRARY: LUNGAST01  
 : CLONE: 877617  
 : SEQUENCE DESCRIPTION: SEQ ID NO: 16 :  
 : US-09-008-271A-16

Query Match 37.2%; Score 678.4; DB 3; Length 2061;  
 Best Local Similarity 97.8%; Pred. No. 8.Se-206;  
 Matches 704; Conservative 0; Mismatches 1; Indels 15; Gaps 1;  
 518 CTTGAGAGCTCTCAAAATACCTTGGTCATGGATGAAGCCGACCGAATACCTGATATGATTT 577  
 1 CTTGAGAGCTCTCAAAATACCTTGGTCATGGATGAAGCCGACCGAATACCTGATATGATTT 60  
 578 TGAGACAGAGGTGACAAAGATCCTCAAAGTGATTTCTCGAGATCGGAAACATTCCTCTT 637  
 61 TGAGACAGAGGTGACAAAG- - - - -CCTCGAGATCGGAAACATTCCTCTT 105  
 638 CTCCTGCCACCATGACCAAGAGAGTTCAAAATCTTCGCGAGCAGCTCTGAGATCTCTGT 697  
 106 CTCCTGCCACCATGACCAAGAGAGTTCAAAATCTTCGCGAGCAGCTCTGAGATCTCTGT 165  
 698 GAAATGTGCCGTTTCTCTTAAATACCAAGAGTTGAAATTTACAGCAATATTATATTT 757  
 166 GAAATGTGCCGTTTCTCTTAAATACCAAGAGTTGAAATTTACAGCAATATTATATTT 225  
 758 TATTCCTCTTAAATCAAGGATACCTGCTGTTTATTTCTTAAATGATTTGCTGCTGAAA 817  
 226 TATTCCTCTTAAATCAAGGATACCTGCTGTTTATTTCTTAAATGATTTGCTGCTGAAA 285  
 818 CTCCTTTATGATATTCTGCAGCACCTGTAAATAATACCAAGAGAACAGCTTTGCTACTGCG 877  
 286 CTCCTTTATGATATTCTGCAGCACCTGTAAATAATACCAAGAGAACAGCTTTGCTACTGCG 345  
 878 AAATCTTGGCTTCACTGCCATCCCTCCATGCGAATGATGATGATGATGATGATGATGATG 937  
 346 AAATCTTGGCTTCACTGCCATCCCTCCATGCGAATGATGATGATGATGATGATGATGATG 405  
 938 ATCCCTTAATAAGTTTAAAGCCCAAGCCCGTTCCATTCTTTAGCAACTGACGTTGCCAG 997  
 406 ATCCCTTAATAAGTTTAAAGCCCAAGCCCGTTCCATTCTTTAGCAACTGACGTTGCCAG 465  
 998 CCGAGGTTTGGACATACCTCATGTAGATGTGTTGTTCACTTTCACATTCCTACCCATTC 1057  
 466 CCGAGGTTTGGACATACCTCATGTAGATGTGTTGTTCACTTTCACATTCCTACCCATTC 525  
 1058 CAAGGATTACATCCATCGAGTAGTTCGAACAGCTAGAGCTGGGCGCTCCGAAAGGCTAT 1117  
 526 CAAGGATTACATCCATCGAGTAGTTCGAACAGCTAGAGCTGGGCGCTCCGAAAGGCTAT 585  
 1118 TACTTTTGTCCACACAGTATGATGTGAACTCTTTCCAGGCGCATAGAAACACTTAATTGGGAA 1177  
 586 TACTTTTGTCCACACAGTATGATGTGAACTCTTTCCAGGCGCATAGAAACACTTAATTGGGAA 645  
 1178 GAAACTACCAAGGTTTCCAAACACAGGATGATGATGATGATGATGATGATGATGATGATG 1237  
 646 GAAACTACCAAGGTTTCCAAACACAGGATGATGATGATGATGATGATGATGATGATGATG 705

Sequence Match Listing  
 for SEQ ID NO: 12